

CITY OF NEWARK-POPULATION PROJECTIONS, 1980  
TOTAL POPULATION BY TRACT, TOTAL SCHOOL POPULATION BY TRACT

METHODOLOGY:

SOURCES OF DATA: 1960 and 1970 census data extracted from the Census bureau reports for 1960 and 1970, Population of the city of Newark.

Selected Cohort (6-13 year olds, attending public schools, city of Newark, aged and processed from base year, 1970) aged to 1974 by Urban Studies Department, Rutgers University, Newark, N.J.

STEPS:

1. School population added by census tracts (1970).  
Results = School population (6-13 yr. old) 1970, by tract.
2. Results (1) multiplied by factor/tract.  
Results = Total loss or gain per tract (1970-1980)
3. Add or subtract results (2) from 1970 school population.  
Results = School population per tract in 1980.
4. Divide results (3) by .5 (number of 6-13 yr. olds/family 1980)  
Results = Number of families/tract 1980.
5. Multiply results (4) by 3.87 (Number of persons/family 1980).  
Results = Total population/tract 1980.
6. Add results (1), equals total school population, 1970.
7. Add results (2), equals total loss/gain in total school population between 1970 and 1980, and the total school population (city wide) for 1980.
8. Add results (4), equals the total number of families (city wide) for 1980.
9. Add results (5), equals total population (city wide) for 1980.

GIVENS FOR COMPUTATIONS:

FACTORED FOR IN/OUT MIGRATION

$\alpha$  = number of 6-13 yr. olds in school/tract, 1970

$\beta$  = number of 6-13 yr. olds in school/tract, 1980

$\Delta$  = number of families/tract, 1980

$\gamma$  = loss or gain/tract, 1970-1980

$\mu$  = population/tract, 1980

.5 = number of 6-13 yr. olds/family, 1980

3.87 = number of persons/family, 1980

$B = \alpha \pm \gamma$  = number of 6-13 yr. olds/tract, 1980

$\Delta = \beta / .451$  = number of families/tract, 1980

$\mu = \Delta (3.87)$  = population/tract, 1980

$\sum_{i=1}^{96} \alpha = \alpha_1 + \alpha_2 + \dots + \alpha_{96}$  = total school enrollment city wide, 1970

$\sum_{i=1}^{96} B = B_1 + B_2 + \dots + B_{96}$  = total school enrollment city wide, 1980

$\sum_{i=1}^{96} \Delta = \Delta_1 + \Delta_2 + \dots + \Delta_{96}$  = total number of families city wide, 1980

$\sum_{i=1}^{96} \mu = \mu_1 + \mu_2 + \dots + \mu_{96}$  = total population city wide, 1980

# CITY OF NEWARK - POPULATION PROJECTIONS, 1950

TOTAL POPULATION BY TRACT, TOTAL SCHOOL POPULATION BY TRACT

CENSUS TRACT	1960 TOTAL POP	1970 TOTAL POP	CHANGE IN POP '60-'70	% OF CHANGE '60-'70	1970 SCHOOL POP (6-15 YEARS) (A)	1980 SCHOOL POP (6-15 YEARS) (B)	CHANGE IN SCHOOL POP '70-'80 (Y)	NO. OF FAMILIES 1980 (Z)	1970 TOTAL POP	1980 TOTAL POP (M)	CHANGE IN TOTAL '70-'80	% OF CHANGE '70-'80	Cum Pop
TOTAL CITY	405100	381930	(23170)	(5.7)	48846	42062	(6784)	84124	381930	325560	(56370)	(14.8)	
1	4619	4780	161	3.5	283	301	18	602	4780	2329	(2451)	(51.3)	2329
2	1987	2361	374	18.8	208	296	88	592	2361	2291	(70)	(3.0)	4620
3	3043	3607	564	18.5	296	421	125	842	3607	3259	(348)	(9.6)	7879
4	1952	1922	(30)	(1.5)	149	212	63	424	1922	1540	(282)	(14.7)	8701
5	1442	1882	440	30.5	144	99	(45)	198	1882	766	(1116)	(59.3)	9467
6	3985	3809	(176)	(4.4)	315	217	(98)	434	3809	1679	(2130)	(55.9)	11146
7	5450	5577	127	2.3	520	515	(5)	1030	5577	3986	(1591)	(28.5)	15132
8	3857	3889	32	1.4	381	351	(30)	702	3889	2716	(1173)	(30.2)	17248
9	5055	7489	2434	48.2	975	695	(280)	1390	7489	5379	(2110)	(28.2)	23367
10	3396	2198	(1198)	(35.3)	735	270	(465)	540	2198	2089	(109)	(5.0)	25356
11	3259	989	(2270)	(69.7)	244	12	(232)	24	989	93	(896)	(90.6)	25409
13	3649	3652	(17)	(0.5)	668	438	(230)	876	3652	3390	(262)	(7.2)	28799
14	5339	4519	(820)	(15.4)	718	520	(198)	1040	4519	4025	(494)	(10.9)	32824
15	4033	2347	(1686)	(41.8)	400	152	(248)	304	2347	1176	(1171)	(49.9)	34000
16	5651	2914	(2737)	(48.4)	345	70	(275)	140	2914	542	(2372)	(81.4)	34542
17	4897	5454	557	11.4	912	137	(775)	274	5454	1060	(4394)	(80.6)	35602
18	4294	4985	691	16.1	466	686	220	1372	4985	5310	325	6.5	40916
19	2935	2578	(357)	(12.2)	147	357	210	714	2578	2765	185	7.2	42996
20	4174	3980	(194)	(4.6)	208	213	5	426	3980	1648	(2332)	(58.6)	44644
21	3803	3838	35	0.9	251	256	5	512	3838	1981	(1857)	(48.4)	46505
22	11144	10498	(646)	(5.8)	828	478	(350)	956	10498	3700	(6798)	(64.8)	50325
23	4499	4711	212	4.7	299	266	(33)	532	4711	2058	(2653)	(56.3)	52983
24	4293	4199	(94)	(2.2)	370	330	(40)	660	4199	2854	(1645)	(39.2)	54937
25	4861	4970	109	2.2	502	447	(55)	894	4970	3460	(1510)	(30.4)	56447
26	3888	4089	201	5.2	498	310	(188)	620	4089	2399	(1690)	(41.3)	58136
27	3781	3905	124	3.3	592	192	(400)	384	3905	1486	(2419)	(61.9)	60655
28	1848	3318	1470	79.5	602	0	(602)	0	3318	0	(3318)	(100.0)	62973
29	4149	4010	(139)	(3.4)	925	1120	195	2240	4010	8669	4659	116.2	67631
30	3981	2218	(1663)	(42.8)	621	889	268	1778	2218	6881	4663	210.2	72294
31	5428	6397	969	17.9	1182	524	(658)	1048	6397	4056	(2341)	(36.6)	76650
32	4567	3101	(1466)	(32.1)	542	1322	780	2644	3101	10232	7131	230.0	77881
34	3240	3704	464	14.3	545	613	68	1226	3704	4744	1040	28.1	78926
35	2932	5554	2622	89.4	797	960	163	1920	5554	7430	1876	33.8	80306
37	2702	3697	995	36.8	657	346	(313)	692	3697	2678	(1019)	(27.6)	81325
38	5619	5545	(74)	(1.3)	1152	2287	1135	4574	5545	17701	12156	219.2	82541
39	3564	1542	(2022)	(56.7)	338	0	(338)	0	1542	0	(1542)	(100.0)	83073
40	4705	4807	102	2.2	785	420	(365)	840	4807	3251	(1556)	(32.4)	83398
41	4664	5584	920	19.7	673	368	(305)	736	5584	2848	(2736)	(49.0)	84238
42	4458	4965	507	11.4	636	578	(58)	1156	4965	4474	(491)	(9.9)	84729
43	3996	4405	409	10.2	1092	1084	(8)	2168	4405	8390	3985	90.5	85624
44	2852	4000	1148	40.3	960	963	3	1926	4000	7454	3454	86.4	86488
45	4892	5056	164	3.4	761	489	(273)	976	5056	3777	(1279)	(25.3)	86867
46	3567	5155	1588	44.5	602	209	(393)	418	5155	1618	(3537)	(68.6)	87485
47	4610	6297	1687	36.6	803	760	(43)	1520	6297	5882	(415)	(6.6)	87900
48.01	3442	3270	(172)	(5.0)	512	655	143	1310	3270	5070	1800	55.0	89700
48.02	5461	6935	1474	27.0	1301	963	(338)	1926	6935	7454	519	7.5	89219
49	4175	6090	1915	45.9	884	834	(50)	1668	6090	6455	365	6.0	89584

# CITY OF NEWARK POPULATION PROJECTIONS, 1980

TOTAL POPULATION BY TRACT, TOTAL SCHOOL POPULATION BY TRACT

CENSUS TRACT	1960 TOTAL POP.	1970 TOTAL POP.	CHANGE IN POP. '60-'70	% OF CHANGE '60-'70	1970 SCHOOL POP. (A)	1980 SCHOOL POP. (B)	CHANGE IN SCHOOL POP. '70-'80 (Y)	NO. OF FAMILIES 1980 (A)	1970 TOTAL POP.	1980 TOTAL POP. (A)	CHANGE IN TOTAL '70-'80	% OF CHANGE '70-'80	Cum Pop.
50	4040	2051	(1989)	(49.2)	387	382	(5)	764	2051	2957	906	44.2 <sup>52</sup>	171,631
51	4416	4173	(243)	(5.5)	384	544	(40)	1088	4173	4211	38	0.9	175,842
52	3055	2576	(497)	(15.7)	361	141	(220)	282	2576	1091	(1485)	(57.6)	176,933
53	4519	4722	203	4.5	478	305	(173)	610	4722	2361	(2361)	(50.0)	179,294
54	6398	6315	(83)	(0.4)	711	258	(453)	516	6315	1997	(4318)	(68.7)	181,291
55	4180	3990	(190)	(4.5)	698	360	(338)	720	3990	2786	(604)	(17.8)	182,977
56	3939	2558	(1381)	(35.1)	484	409	(75)	818	2558	3166	608	23.8	183,243
57	5591	4438	(1153)	(20.6)	558	623	65	1246	4438	4822	384	8.7	183,627
58	5371	6183	812	15.1	799	429	(370)	858	6183	3320	(2863)	(46.3)	184,285
59	5742	4296	(1446)	(25.2)	560	618	58	1236	4296	4783	487	11.3	184,772
60	3891	719	(3172)	(81.5)	61	23	(38)	46	719	178	(541)	(75.2)	185,313
62	3749	4819	1070	28.5	713	463	(310)	926	4819	3584	(1235)	(25.6)	185,839
63	2543	2133	(410)	(16.1)	362	314	(48)	628	2133	2430	297	9.7	186,336
64	4875	2584	(2291)	(47.0)	490	422	(68)	844	2584	3266	682	26.4	186,928
65	2981	5038	2057	69.0	977	997	20	1994	5038	7717	2679	53.2	187,507
66	4713	4236	(477)	(10.1)	668	280	(388)	560	4236	2167	(2069)	(48.8)	188,085
67	4824	4727	(97)	(2.0)	402	427	25	854	4727	3305	(1422)	(30.1)	188,626
68	3931	3483	(448)	(11.4)	291	341	50	682	3483	2639	(844)	(24.2)	189,270
69	3476	3423	(53)	(1.5)	378	343	(35)	686	3423	2665	(758)	(22.1)	189,935
70	3529	3546	(17)	(0.5)	415	407	(8)	814	3546	3150	(396)	(11.2)	190,331
71	2799	2736	(63)	(2.3)	284	281	(3)	562	2736	2175	(561)	(20.5)	190,892
72	3362	3177	(185)	(5.5)	337	375	38	750	3177	2901	(276)	(8.7)	191,168
73	3354	3412	58	1.7	405	475	70	950	3412	3677	265	7.8	191,433
74	1889	1802	(87)	(4.6)	223	268	45	536	1802	2074	272	15.1	191,705
75.01	4716	4748	32	0.7	722	682	(40)	1364	4748	5279	531	11.2	192,236
75.02	4150	3763	(387)	(9.3)	647	499	(148)	998	3763	3852	89	2.6	192,325
76	2174	2578	404	18.6	323	378	55	756	2578	2926	348	13.5	192,673
77	2802	2940	138	4.9	280	303	23	606	2940	2345	(595)	(20.2)	193,068
78	3127	3089	(38)	(1.2)	379	354	(25)	708	3089	2740	(349)	(11.3)	193,417
79	4277	4379	102	2.4	548	540	(8)	1080	4379	4180	(199)	(4.5)	193,816
80	3226	1891	(1345)	(41.7)	261	246	(15)	492	1891	1904	13	0.7	194,059
81	4190	3036	(1154)	(27.5)	219	242	23	484	3036	1873	(1163)	(38.3)	194,343
82	3655	1590	(2065)	(56.5)	278	398	120	796	1590	3081	1491	93.8	194,734
83	2998	2397	(601)	(20.0)	264	294	30	588	2397	2276	(121)	(5.0)	195,030
84	2556	4713	2157	84.4	793	355	(438)	710	4713	2748	(1965)	(41.7)	195,445
85	5498	2832	(2666)	(48.5)	257	212	(45)	424	2832	1641	(1191)	(42.1)	195,966
86	4636	3012	(1624)	(32.9)	933	648	(285)	1296	3012	5016	2004	66.5	196,270
87	4628	5251	623	9.4	339	407	68	814	5251	3150	(2101)	(40.0)	196,670
88	5746	3012	(2734)	(47.6)	268	338	70	746	3012	2616	(396)	(13.1)	196,966
89	3010	2614	(396)	(13.2)	189	237	48	474	2614	1834	(780)	(29.8)	197,256
90	1466	2820	1354	92.4	309	214	(95)	428	2820	1656	(1164)	(41.3)	197,552
91	3429	3184	(245)	(7.1)	212	267	55	534	3184	2067	(1117)	(35.1)	197,849
92	4442	4430	(12)	(0.3)	179	121	(58)	242	4430	937	(3493)	(78.8)	198,197
93	4498	5119	621	13.8	202	237	35	474	5119	1834	(3285)	(64.2)	198,541
94	5020	6163	1143	22.8	169	141	(28)	282	6163	1091	(5072)	(82.3)	198,838
95	4909	6121	1212	24.7	342	510	168	1020	6121	3947	(2174)	(35.5)	199,183
96	6918	6747	(171)	(2.5)	952	759	(193)	1518	6747	5875	(872)	(12.9)	199,533
97	4470	4813	343	7.7	253	458	205	916	4813	3545	(1268)	(26.3)	199,891
98	154	124	(30)	(19.5)	18	13	(5)	26	124	101	(23)	(18.5)	200,000

# POPULATION PROJECTIONS: LOW-INCOME NEIGHBORHOODS, 1980, BY NEIGHBORHOOD, BY CENSUS TRACT<sub>1</sub>

## AREA 1

TRACT	1970 POPULATION	1980 POPULATION	NET CHANGE	PERCENT CHANGE	TRACT	1970 POPULATION	1980 POPULATION	NET CHANGE	PERCENT CHANGE
2	2361	2291	(70)	(3.0)	18	4985	5310	325	6.5
3	3607	3259	(348)	(9.6)	84	4713	2748	(1965)	(41.7)
9	7489	5379	(2110)	(28.2)	85	2832	1641	(1191)	(42.1)
10	2198	2089	(109)	(5.0)	86	3012	5016	2004	66.5
11	989	93	(896)	(90.6)	87	5251	3150	(2101)	(40.0)
15	2347	1176	(1171)	(49.9)	88	3012	2616	(396)	(13.1)
16	2914	542	(2372)	(81.4)	89	2614	1834	(780)	(29.8)
17	5454	1060	(4394)	(80.6)	90	2820	1656	(1164)	(41.3)
					92	4430	937	(3493)	(78.8)
					TOTAL AREA 1	61028	40797	(20231)	(33.2)

## AREA 2

TRACT	1970 POPULATION	1980 POPULATION	NET CHANGE	PERCENT CHANGE	TRACT	1970 POPULATION	1980 POPULATION	NET CHANGE	PERCENT CHANGE
13	3632	3390	(262)	(7.2)	35	5554	7430	1876	33.8
14	4519	4025	(494)	(10.9)	62	4819	3584	(1235)	(25.6)
26	4089	2399	(1690)	(41.3)	63	2133	2430	297	13.9
27	3905	1486	(2419)	(61.9)	64	2584	3266	682	26.4
28	3318	0	(3318)	(100.0)	65	5038	7717	2679	53.2
29	4010	8669	4659	116.2	67	4727	2167	(2069)	(43.8)
30	2218	6881	4663	210.2	80	1881	1904	23	1.2
31	6397	4056	(2341)	(36.6)	81	3036	1873	(1163)	(38.3)
32	3101	10232	7131	230.0	82	1590	3081	1491	93.8
34	3704	4744	1040	28.1	83	2397	2276	(121)	(5.0)
					TOTAL AREA 2	72652	81610	8958	12.3

## AREA 3

TRACT	1970 POPULATION	1980 POPULATION	NET CHANGE	PERCENT CHANGE	TRACT	1970 POPULATION	1980 POPULATION	NET CHANGE	PERCENT CHANGE
37	3697	2678	(1019)	(27.6)	52	2576	1091	(1485)	(57.6)
38	5545	17701	12156	219.2	54	6375	1997	(4378)	(68.7)
39	1542	0	(1542)	(100.0)	55	3990	2786	(1204)	(30.2)
40	4807	3251	(1556)	(32.4)	56	2558	3166	608	23.8
42	4965	4474	(491)	(9.9)	57	4438	4822	384	8.7
48.01	3270	5070	1800	55.0	58	6183	3320	(2863)	(46.3)
48.02	6935	7454	519	7.5	59	4296	4783	487	11.3
50	2051	2957	906	44.2	60	719	178	(541)	(75.2)
					66	4236	2167	(2069)	(48.8)
					TOTAL AREA 3	68183	67895	(288)	(0.4)

POP. OF LOW-INCOME NEIGHBORHOODS:

1970 = 52.8% OF CITY POP.

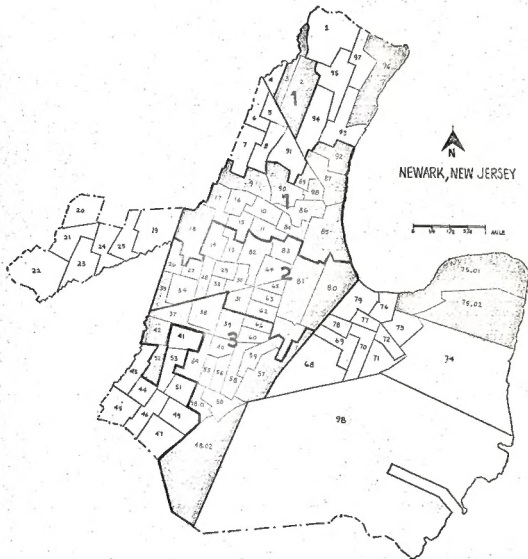
1980 = 58.4% OF CITY POP.

1: SOURCE: 1970 CENSUS OF POPULATION,  
LOW-INCOME NEIGHBORHOODS IN  
LARGE CITIES: 1970, NEWARK, N.J.  
U.S. DEPT. OF COMMERCE, WASH., D.C.,  
5-74

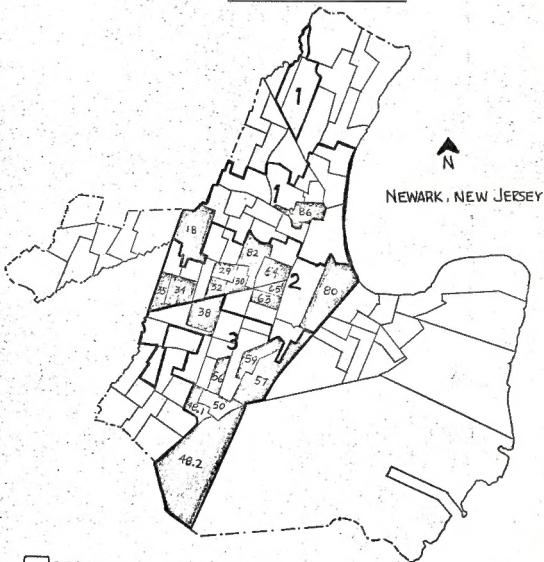
AREA	1970 POPULATION	1980 POPULATION	NET CHANGE	PERCENT CHANGE
ALL LOW INCOME AREAS	201863	190302	(11561)	(5.7)
NEWARK	381930	325560	(56370)	(14.8)

# NEWARK, N.J., 1970 LOW-INCOME NEIGHBORHOODS

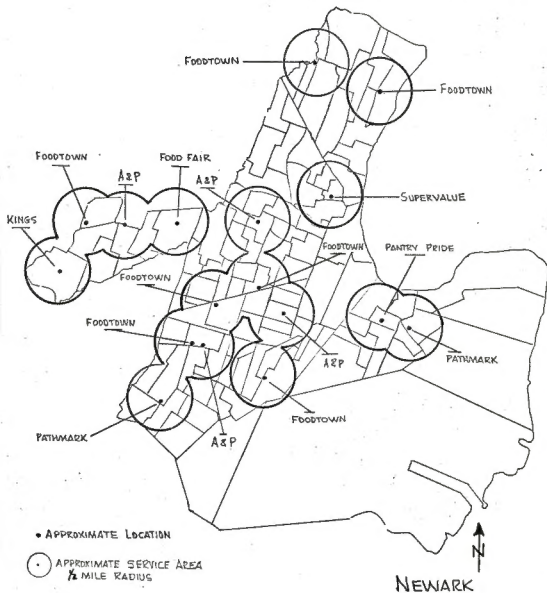
8 Tracts



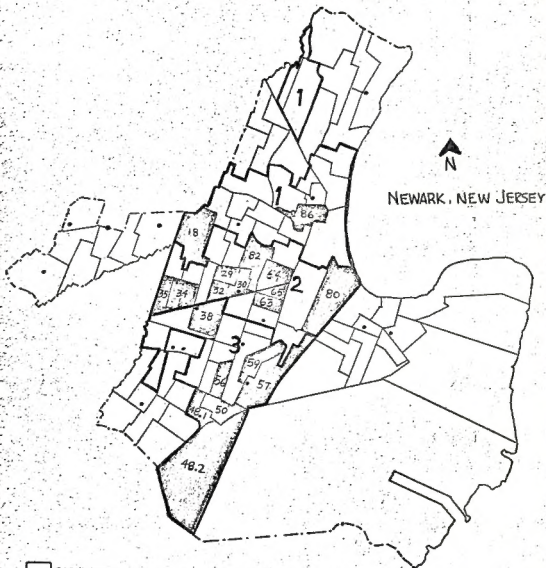
# PROJECTED POPULATION, 1980, LOSS/GAIN BY CENSUS TRACTS



# NEWARK BASED SUPERMARKETS - 1977



# PROJECTED POPULATION LOSS/GAIN BY CENSUS TRACT SUPERMARKET LOCATIONS



□ POPULATION LOSS

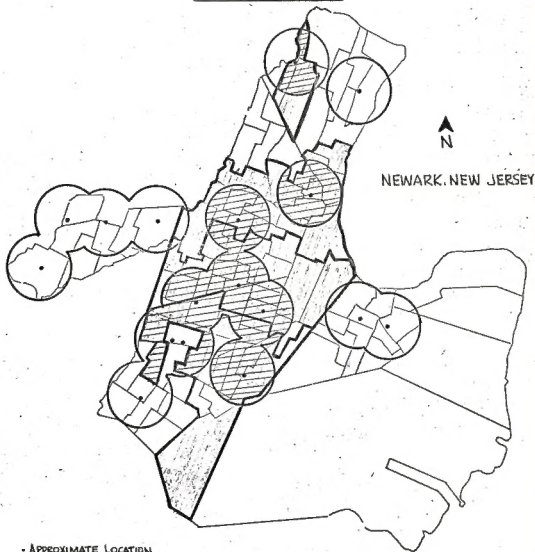
▨ POPULATION GAIN

• SUPERMARKET LOCATION-1977

OUTLINED AREAS- LOW-INCOME NEIGHBORHOODS 1, 2 & 3



NEWARK BASED SUPERMARKETS - 1977,  
SEGMENTS OF LOW-INCOME  
AREAS SERVICED



• APPROXIMATE LOCATION

○ APPROX. SERVICE AREA  
1/2 MILE RADIUS

▨ SERVICE AREA FOR LOW-INCOME AREAS

## 1980 Total Population

1. The number below the population for 1980 is the housing project population which I subtracted from the census tract population. The number above the census tract population is the number I added to the total cumulative population.
2. The column in pencil = the cumulative population for the census tracts.
3. The last column headed # is the amount of clusters drawn from each census tract.